

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A display substantially comprising a subpixel repeating group, said subpixel repeating group comprising one of a first group, said first group comprising one of the following:

W G W B W C W B W C W M
W R W G, W R W G, W R W G,

W R W G W B R B G W
W G W B W R G W R B, and
W B W R W G,

R G B W
B W R G;

wherein W is substantially white, G is substantially green, R is substantially red, B is substantially blue, C is substantially cyan, and M is substantially magenta color.

2. (Original) The display of Claim 1 wherein further the white subpixels are substantially of smaller size than the colored subpixels.

3. (Original) The display of Claim 1 wherein said colored subpixels comprise substantially a first aspect ratio and said white subpixels comprise a second aspect ratio.

4. (Original) The display of Claim 1 wherein said colored subpixels and said white subpixels comprise substantially the same aspect ratio.

5. (Original) The display of Claim 3 wherein said first aspect ratio is 1:2 and said second aspect ratio is 1:3.

6. (Original) The display of Claim 1 wherein said subpixels are substantially rectangular shape.

7. (Original) The display of Claim 1 wherein the repeating subpixel group may comprise one of a second group, said second group further comprising: mirror images of repeating groups comprising said first group; symmetrical transformations of repeating groups comprising said first group and hex grid transformations of repeating groups comprising said first group.

8. (Original) The display of Claim 1 wherein said display is a liquid crystal display and the black matrix is substantially above the disinclination region.

9. (Original) The display of Claim 8 wherein the black matrix comprises differentially more area above the disinclination regions for the brighter subpixels.

10. (Previously Presented) The display of Claim 1 wherein said display further comprises a backlight and the color temperature of said backlight is adjusted such that a balanced white color is displayed with all subpixels on fully.

11. (Original) The display of Claim 1 wherein said at least one of the colored filters is selected to be a narrow bandpass filter.

12. (Original) The display of Claim 1 wherein the white subpixels are vertically displaced substantially 180 degrees with respect to the colored subpixels.

13. (Original) The display of Claim 5 wherein the backlight output is reduced such that brightness with all subpixels on fully is substantially the same brightness as an RGB stripe panel comprising substantially the same resolution.

14. (Previously Presented) A display substantially comprising a repeating subpixel group:

W G W B

W R W G

wherein W is substantially white, G is substantially green, R is substantially red, B is substantially blue, and said display further comprising a backlight, wherein said display comprises a balanced white point with all subpixels fully on.

15. (Original) The display of Claim 14 wherein said backlight is adjusted towards magenta such that said display comprises said balanced white point.

16. (Original) The display of Claim 14 wherein the green colored filter is adjusted to have a deeper green color point such that said display comprise said balanced white point.

17. (Previously Presented) A display substantially comprising a repeating subpixel group:

W C W B

W R W G

wherein W is substantially white, G is substantially green, R is substantially red, B is substantially blue, and said display further comprising a backlight, wherein said display comprises a balanced white point with all subpixels fully on.

18. (Original) The display of Claim 17 wherein said backlight is adjusted towards red color point such that said display comprises said balanced white point.

19. (Original) The display of Claim 17 wherein the green colored filter is adjusted to have a deeper green color point such that said display comprise said balanced white point.

20 - 24. (Canceled)

25. (Previously Presented) A display substantially comprising a subpixel repeating group, said group further comprising white subpixels and a plurality of colored subpixels;
wherein said display further comprises a backlight, such that said display substantially has a balanced white point when all subpixels are fully on;
further wherein at least one of the colored subpixels comprises a substantially greater area than said white subpixels and wherein said subpixel repeating group comprises a hex grid of colored subpixels.

26. (Previously Presented) A display substantially comprising a subpixel repeating group, said group further comprising white subpixels and a plurality of colored subpixels;
wherein said display further comprises a backlight, such that said display substantially has a balanced white point when all subpixels are fully on;
further wherein at least one of the colored subpixels comprises a substantially greater area than said white subpixels and wherein said white subpixels are substantially vertically displaced from said colored subpixels.

27. (Previously Presented) A display substantially comprising a subpixel repeating group, said subpixel repeating group comprising eight subpixels on a four-by-two two-dimensional grid, wherein a first one of said grid directions comprises four lines, a first line and third line comprises a set of alternating green and white subpixels and a second and fourth line comprises a set of alternating red and blue subpixels.

28. (Previously Presented) The display of Claim 27 wherein said first line and said third line of said green and white subpixels substantially form a checkerboard pattern of green and white subpixels.

29. (Previously Presented) The display of Claim 28 wherein said second line and said fourth line of said red and blue subpixels substantially form a checkerboard pattern of red and blue subpixels.

30. (Previously Presented) The display of Claim 29 wherein said subpixel repeating group comprises one of the following:

R G B W R W B G
B W R G and B G R W .

31. (Previously Presented) The display of Claim 30 wherein said subpixel repeating group comprises mirror images of repeating groups comprising said first group; symmetrical transformations of repeating groups comprising said first group and hex grid transformations of repeating groups comprising said first group.

32. (Previously Presented) The display of Claim 30 wherein said first grid direction comprises substantially column lines.

33. (Previously Presented) The display of Claim 30 wherein said first grid direction comprises substantially row lines.

34. (Previously Presented) The display of Claim 30 wherein the aspect ratio of said subpixels is substantially 1: 2.

35. (Previously Presented) The display of Claim 30 wherein the aspect ratio of said subpixels is substantially 1: 3.

36. (Previously Presented) The display of Claim 30 wherein the black matrix of said display is substantially enlarged to improve contrast.

37. (Previously Presented) A display substantially comprising a subpixel repeating group, said subpixel repeating group comprising one of a group, said group comprising one of the following:

R G B W R W B G

B W R G and B G R W

wherein W is substantially white, G is substantially green, R is substantially red, B is substantially blue.